



Surface & Minerals  
 PAUL & JUNE ASHBY  
 D B 146, Pg 201  
 Tax Map CR9 Parcel 4

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION C & GS BM On Bridge at Reeses Mill

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
 (SIGNED) Charles P. Reynolds  
 R.P.E. \_\_\_\_\_ L.L.S. 69

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)

DATE May 6, 1981  
 OPERATOR'S WELL NO. ONE  
 API WELL NO. 057  
 WV - Mineral - 0063  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 857.89 WATER SHED Patterson Creek  
 DISTRICT Cabin Run COUNTY Mineral  
 QUADRANGLE Keyser 915  
 SURFACE OWNER Paul A. & June Ashby ACREAGE 92.32  
 OIL & GAS ROYALTY OWNER Paul A. & June Ashby LEASE ACREAGE 158  
 LEASE NO. DB 207, Pg 576  
 PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION Oriskany Sand ESTIMATED DEPTH 2400'  
 WELL OPERATOR Upland Resources DESIGNATED AGENT Talkington - Erady  
 ADDRESS Westaco Building - 200 Park Avenue ADDRESS P.O. Box 1015  
New York, N.Y. 10017 Keyser, WV 26726  
DEEP Well 6-6 Headsville North (335)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
**Oil and Gas Division**  
**WELL RECORD**

Quadrangle Keyser  
Permit No. 47-057-0063

Rotary XXX Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas XXX  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

Company <u>Upland Resources</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>c/o Westvaco, 299 Park Ave., NY, NY 10017</u>				
Farm <u>Ashby</u> Acres <u>92.32</u>	Size			
Location (waters) <u>Patterson Creek</u>	20-16			
Well No. <u>1</u> Elev. <u>858</u>	Cond.			
District <u>Cabin Run</u> County <u>Mineral</u>	13-10"			
The surface of tract is owned in fee by _____	9 5/8			
<u>Paul &amp; June Ashby</u>	8 5/8	1025'	1025'	Cement to Surface
Address <u>P.O. Box 411, Keyser, WV</u>	7			
Mineral rights are owned by <u>Same as above</u>	5 1/2			
_____ Address _____	4 1/2		3854'	265 sks
Drilling Commenced <u>June 24, 1981</u>	3			
Drilling Completed <u>July 13, 1981</u>	2			
Initial open flow <u>50 MCF</u> cu. ft. <u>0</u> bbls.	Liners Used			
Final production <u>150 MCFAE</u> cu. ft. per day <u>0</u> bbls.				
Well open _____ hrs. before test _____ RP.				

Well treatment details: Attach copy of cementing record.

Perforations 3280-3319, 12 shots; 3745-3850, 6 shots 150 MCF.

Fractured by Halliburton & B.J. Hughes

2 stage Water Foam Frac; 270 bbls. of Tophole fluid

560 sks, 20/40 sand

Coal was encountered at No Coal Feet \_\_\_\_\_ Inches \_\_\_\_\_

Fresh water 30' Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_

Producing Sand Shriver Chert, Marcellus Shale Depth 3280-3319; 3745-3850

MRCL HDBG

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sandstone & Shale			0'	2600'		Show of Gas 1570'
Marcellus Shale			2600'	3020'		
Purcell Member of the Marcellus Shale			3020'	3300'		
Lower Marcellus Shale			3300'	3408'		
Tioga Bentonite			3408'	3424'		
Needmore Shale			3424'	3597'		
Oriskany Sandstone			3597'	3738'		
Shriver Shert			3738'	3885'		<u>HDBG</u>

**RECEIVED**  
AUG 28 1981  
OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

3424  
858  
2566  
3517  
308  
2739  
3738  
256  
2880

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks

Date August 18, 1981

APPROVED Upland Resources Owner  
Geological Consultants, Agent

*Kerry Watts*



Well No. 1  
Farm Paul Ashby  
API # 47 - 057 - 0063  
Date June 3, 1981

(Revised 3-81)

STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil \_\_\_ / Gas X /  
(If "Gas", Production \_\_\_ / Underground storage \_\_\_ / Deep X / Shallow \_\_\_ /

LOCATION: Elevation: 857.89 Watershed: Patterson Creek  
District: Cabin Run County: Mineral Quadrangle: Keyser

WELL OPERATOR Upland Resources, Inc.  
Address P.O. Box 429  
Keyser, WV 26726

DESIGNATED AGENT Talkington-Brady, Inc.  
Address P.O. Box 1016  
Keyser, WV 26726

OIL AND GAS  
ROYALTY OWNER Paul A. & June Ashby  
Address P.O. Box 411  
Keyser, WV 26726  
Acreage 158

COAL OPERATOR No coal  
Address \_\_\_\_\_

SURFACE OWNER Paul A. & June Ashby  
Address - -  
Acreage 92.32

COAL OWNER(S) WITH DECLARATION ON RECORD:  
NAME No coal  
Address \_\_\_\_\_  
NAME \_\_\_\_\_  
Address \_\_\_\_\_

FIELD SALE (IF MADE) TO:  
NAME \_\_\_\_\_  
Address \_\_\_\_\_

COAL LESSEE WITH DECLARATION ON RECORD:  
NAME No coal  
Address \_\_\_\_\_

OIL AND GAS INSPECTOR TO BE NOTIFIED:  
NAME Robert S. Stewart  
Address P.O. Box 345  
Jane Lew, WV 26378  
Telephone (304) 884-7782

**RECEIVED**  
JUN - 3 1981  
OIL & GAS DIVISION  
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed \_\_\_ / lease X / other contract \_\_\_ / dated \_\_\_\_\_, 19\_\_\_, to the undersigned well operator from Paul A. & June Ashby.

(If said deed, lease, or other contract has been recorded:)

Recorded on Oct. 21, 1976, in the office of the Clerk of County Commission of \_\_\_\_\_ County, West Virginia, in 207 Book at page 576. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill Deeper \_\_\_ / Redrill \_\_\_ / Fracture or stimulate X / Plug off old formation \_\_\_ / Perforate new formation \_\_\_ / Other physical change in well (specify) \_\_\_\_\_

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
1613 WASHINGTON ST., E.  
CHARLESTON, WV 25311  
Telephone - 304/348-3092

Upland Resources, Inc.  
Well Operator  
Michael A. Partridge  
By: Michael A. Partridge  
Its: Manager, Energy Source Planning

BLANKET BOND

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:  
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Talkington-Brady, Inc.  
Address P.O. Box 1016  
Keyser, WV 26726

GEOLOGICAL TARGET FORMATION Oriskany  
Estimated depth of completed well 2400 feet. Rotary  / Cable tools  /  
Approximate water strata depths: Fresh, 50-80 feet; salt,          feet.  
Approximate coal seam depths: No coal  
Is coal being mined in this area: Yes  / No  /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL- UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill- ling		
Conductor								Kinds
Fresh water	8 5/8	A	24.7	X		400	400	cement to surface
Coal								Sizes
Intermed.								
Production Tubing	4 1/2	A	10.5	X		2,200	2,200	Cement appx 400 ft. Depths set
Liners								Perforations: Top Bottom

**NOTE:** Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.  
A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 2-9-82.

[Signature]  
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator          / owner          / lessee          / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regularions.

Date:         , 19         .  
By:           
Its: